



Attorney Docket # 5250-7

J.FW
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Robert R. Alfano et al.

Serial No.: 10/728,562

Filed: December 5, 2003

For: Photodetectors and Optically Pumped Emitters
Based on III-Nitride Multiple-Quantum-Well
Structures

Examiner: J. Jackson, Jr.
Group Art: 2815

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

February 10, 2005

(Date of Deposit)

Kent H. Cheng

Name of applicant, assignee or Registered Representative

Kent H. Cheng
Signature

February 10, 2005

Date of Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

SIR:

This is in response to the Office Action mailed December 10, 2004. In that Office Action the Examiner entered a requirement that a single species be elected for prosecution. In response to the election requirement, we elect species 6. All of the claims in the current patent application are readable upon species 6 - quantum well layers that are polar.

We gratefully acknowledge the opportunity for the examination of claims to additional species (which are in dependent form or include the limitations of an allowed generic claim) upon the allowance of a generic claim.

02/15/2005 RFEKADU1 00000037 032412 10728562

01 FC:2251 60.00 OP
02 FC:2202 5.00 DA 20.00 OP

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 12 of this paper.

Applicant(s) hereby request(s) a 1-month extension of the original shortened statutory response period set in the Office Action of December 10, 2004. A check in the amount of \$55.00 in payment of the government fee for a 1-month extension of time is enclosed herewith. Any additional fees or charges required at this time in connection with the present application may be charged to our Patent and Trademark Office Deposit Account No. 03-2412.

In response to the Office Action dated December 10, 2004, please amend the above-identified application as follows: